| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|----------|------|---|------------------------------|---------------------|---------|------------------|
| S1 | 1 | "20050125474".pn. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/02/05 14:32 |
| S2 | 8 | (edwin near3 pednault).in. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/08/22 16:17 |
| S3 | . 5 | ("20010020229" "4975840" "5692107" "5712984" "5970464"). PN. OR ("7072841").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/08/23 12:03 |
| S4 | 251 | 708/400.ccls. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/08/23 12:11 |
| S5 | 415 | 700/31.ccls. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/08/23 12:03 |
| S6 | 377 | 700/30.ccls. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/08/23 12:03 |
| S7 | 334 | 700/44.ccls. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/08/23 12:03 |
| S8 | 1008 | 705/4.ccls. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/08/23 12:04 |
| S9 | 489 | 700/29.ccls. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/08/23 12:09 |
| S14 | 387 | 706/16.ccls. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/08/23 12:15 |
| S15 | 695 | 706/25.ccls. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/08/23 12:15 |
| S16 | 115 | 706/62.ccls. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/08/23 12:16 |
| S17 | 3565 | S4 or S5 or S6 or S7 or S8 or S9 or S14 or S15 or S16 | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/08/24 11:07 |
| S18 | 508 | stage adj (model or models) | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/08/23 15:25 |
| S20 | 8113 | transform and regression | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/08/23 16:36 |

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|-----|------|--|------------------------------|---------------------------------------|-----|------------------|
| S21 | 2364 | predictive adj (model or models) | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/08/23 15:35 |
| S22 | 1791 | (fold or folds) near3 (data) | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/08/23 15:29 |
| S23 | 1 | S18 and S20 and S21 and S22 | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/08/23 15:30 |
| S24 | 12 | S18 and S20 and S21 | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/08/23 15:30 |
| S25 | 24 | S18 and S21 | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/08/23 15:37 |
| S26 | 251 | 708/400.ccls. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/08/23 15:38 |
| S27 | 415 | 700/31.ccls. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/08/23 15:38 |
| S28 | 377 | 700/30.ccls. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/08/23 15:38 |
| S29 | 334 | 700/44.ccls. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/08/23 15:38 |
| S30 | 1008 | 705/4.ccls. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/08/23 15:38 |
| S31 | 489 | 700/29.ccls. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/08/23 15:38 |
| S32 | 387 | 706/16.ccls. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/08/23 15:38 |
| S33 | 695 | 706/25.ccls. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/08/23 15:38 |
| S34 | 115 | 706/62.ccls. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/08/23 15:38 |
| S35 | 3565 | S26 or S27 or S28 or S29 or S30 or S31 or S32 or S33 or S34 | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/08/23 15:38 |

| S36 | 127 | S21 and S35 | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/08/23 15:38 |
|-----|-------|--|------------------------------|----|-----|------------------|
| S38 | 18842 | (transform or transforms or transformed) and regression | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/08/24 10:35 |
| S39 | 463 | S38 and S21 | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/08/23 16:52 |
| S40 | 355 | S38 and S21 and linear | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/08/23 16:52 |
| S41 | 1 | S38 and S21 and convergance | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/08/23 16:52 |
| S42 | 46 | S38 and S21 and converge | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/08/23 17:05 |
| S44 | 6405 | (transform or transforms or transformed) and (linear adj regression) | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/08/24 10:35 |
| S45 | 2367 | predictive adj (model or models) | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/08/24 10:36 |
| S46 | 169 | S44 and S45 | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/08/24 10:37 |
| S47 | 29 | S44 and S45 and (converge or converges) | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/08/24 11:30 |
| S48 | 251 | 708/400.ccls. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/08/24 11:07 |
| S49 | .415 | 700/31.ccls. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/08/24 11:07 |
| S50 | 377 | 700/30.ccls. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/08/24 11:07 |
| S51 | 334 | 700/44.ccls. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/08/24 11:07 |
| S52 | 1010 | 705/4.ccls. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/08/24 11:07 |

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| S53 | 489 | 700/29.ccls. | US-PGPUB; USPAT; USOCR | OR . | OFF | 2006/08/24 11:07 |
| S54 | 387 | 706/16.ccls. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/08/24 11:07 |
| S55 | 695 | 706/25.ccls. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/08/24 11:07 |
| S56 | 115 | 706/62.ccls. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/08/24 11:07 |
| S57 | 3567 | S48 or S49 or S50 or S51 or S52 or S53 or S54 or S55 or S56 or 705/7.ccls | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/08/24 11:07 |
| S58 | 49 | (US-5560194-\$ or US-4398059-\$ or US-5479573-\$ or US-5566092-\$ or US-5583780-\$ or US-5714683-\$ or US-5727128-\$ or US-5729661-\$ or US-5801970-\$ or US-5828413-\$ or US-5956674-\$ or US-6002839-\$ or US-6003003-\$ or US-6036349-\$ or US-6044343-\$ or US-6055483-\$ or US-6070136-\$ or US-6243696-\$ or US-6219642-\$ or US-6243696-\$ or US-3694636-\$ or US-4245289-\$ or US-4264783-\$ or US-4479124-\$).did. or (US-4520499-\$ or US-4536886-\$ or US-4624012-\$ or US-4794535-\$ or US-4837830-\$ or US-4845628-\$ or US-4837830-\$ or US-482539-\$ or US-4847906-\$ or US-4922539-\$ or US-4853958-\$ or US-4952922-\$ or US-4980917-\$ or US-4991215-\$ or US-4998535-\$ or US-5051960-\$ or US-5045852-\$ or US-5051960-\$ or US-5045852-\$ or US-5249126-\$).did. | USPAT | OR | OFF | 2006/08/24 11:11 |
| S59 | 1 | "20030046130".pn. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/08/24 11:30 |
| S60 | 43 | (ramesh and natarajan).in. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/08/24 12:29 |

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|-----|----|--|--------------------|----|------|------------------|
| S61 | 17 | (US-20050125474-\$ or US-20040054572-\$ or US-20050096950-\$ or US-20040181441-\$ or US-20040111169-\$ or US-20030176931-\$ or US-20050119922-\$ or US-20050033719-\$ or US-20040249779-\$ or US-20040015386-\$ or US-20030140023-\$ or US-20030046130-\$ or US-20030088565-\$ or US-20030033587-\$).did. or (US-7020593-\$ or US-6388592-\$).did. | US-PGPUB; USPAT | OR | OFF | 2006/08/24 14:04 |
| S62 | 17 | S61 and (input or inputs or output or outputs) | US-PGPUB; USPAT | OR | OFF | 2006/08/24 14:45 |
| S63 | 1 | "6810368".pn. | US-PGPUB; USPAT | OR | OFF. | 2006/08/24 14:14 |
| S64 | 17 | S61 and (input or inputs or output or outputs) and (transform or transforms or transformed or transformation) and regression | US-PGPUB; USPAT | OR | OFF | 2006/08/24 14:46 |
| S65 | | (US-20050125474-\$ or US-20040054572-\$ or US-20050096950-\$ or US-20040181441-\$ or US-20040111169-\$ or US-20030176931-\$ or US-20050119922-\$ or US-20050033719-\$ or US-20040249779-\$ or US-20040015386-\$ or US-20030140023-\$ or US-20030046130-\$ or US-20030088565-\$ or US-20030033587-\$).did. or (US-7020593-\$ or US-6388592-\$).did. | US-PGPUB; USPAT | OR | OFF | 2006/08/25 10:23 |
| S66 | 17 | S65 and (input or inputs or output or outputs) and (transform or transformed or transformation) and regression | US-PGPUB; USPAT | OR | OFF | 2006/08/25 10:51 |
| S67 | 15 | S65 and (input or inputs or output or outputs) and (transform or transforms or transformed or transformation) and regression and (sum or summed or sums or summing) | US-PGPUB; USPAT | OR | OFF | 2006/08/28 14:12 |

| S68 | 17 | (US-20050125474-\$ or | US-PGPUB; | OR | OFF | 2006/08/28 14:14 |
|-----|------|---|------------------------------|----|------------------|------------------|
| | : | US-20040054572-\$ or US-20050096950-\$ or US-20040181441-\$ or | USPAT . | | | |
| | | US-20040111169-\$ or US-20030176931-\$ or | | | | · |
| | | US-20050119922-\$ or US-20050033719-\$ or | | | | |
| | | US-20040249779-\$ or US-20040015386-\$ or US-20030140023-\$ or US-20030046130-\$ or | | | : | |
| | | US-20040215551-\$ or US-20030088565-\$ or US-20030033587-\$).did. or (US-7020593-\$ or US-6388592-\$).did. | | | | |
| S69 | . 15 | S68 and (input or inputs or output or outputs) and (transform or transforms or transformed or transformation) and regression and (sum or summed or sums or summing) | US-PGPUB; USPAT | OR | OFF | 2006/08/28 14:14 |
| S70 | 15 | S69 and (control or controls or controlling or controllers or controlled) | US-PGPUB; USPAT | OR | OFF | 2006/08/28 14:22 |
| S71 | 4 | S69 and (controller) | US-PGPUB; USPAT | OR | OFF | 2006/08/28 14:23 |
| S72 | 4 | S69 and (controller) and (interface or GUI) | US-PGPUB; USPAT | OR | OFF _. | 2006/08/28 14:24 |
| S73 | 1 | "20030176931".pn. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/02/05 14:32 |
| S74 | 434 | 706/12.ccls. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/02/09 12:02 |
| S75 | 354 | 706/14.ccls. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/02/09 12:02 |
| S76 | 421 | 706/15.ccls. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/02/09 12:02 |
| S77 | 415 | 706/16.ccls. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/02/09 12:02 |
| S78 | 239 | 706/21.ccls. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/02/09 12:04 |
| S79 | 1567 | S74 or S75 or S76 or S77 or S78 | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/02/09 12:04 |

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|-----|--------|---|------------------------------|----|-----|------------------|
| S80 | 76508 | ((ensemble adj2 learning) or boosting or adaboost or anyboost or arcing or ((adaptive or adaptively) adj3 ((resampling or resampled) adj3 (combining or combined))) or bagging or (bootstrap adj3 aggregating)) | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/02/09 12:27 |
| S81 | 272076 | (predict or predicts or predicted or prediction or predictive or prediction) | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/02/09 12:26 |
| S82 | 775481 | (model or models or modeled or modelled or modeling or modelling) | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/02/09 12:23 |
| S83 | 6119 | ((ensemble adj2 learning) or boosting or adaboost or anyboost or arcing or ((adaptive or adaptively) adj3 ((resampling or resampled) adj3 (combining or combined))) or bagging or (bootstrap adj3 aggregating)) and (predict or predicts or predicted or prediction or predictive or prediction) | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/02/09 12:25 |
| S84 | 4301 | ((ensemble adj2 learning) or boosting or adaboost or anyboost or arcing or ((adaptive or adaptively) adj3 ((resampling or resampled) adj3 (combining or combined))) or bagging or (bootstrap adj3 aggregating)) and (predict or predicts or predicted or prediction or predictive or prediction) and (model or models or modelling) | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/02/09 15:34 |
| S85 | 23256 | ((predict or predicts or predicted or prediction or predictive or prediction) near4 (model or models or modeled or modelled or modelling or modelling)) | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/02/09 12:26 |
| S86 | 743 | ((ensemble adj2 learning) or boosting or adaboost or anyboost or arcing or ((adaptive or adaptively) adj3 ((resampling or resampled) adj3 (combining or combined))) or bagging or (bootstrap adj3 aggregating)) and ((predict or predicts or predicted or prediction or predictive or prediction) near4 (model or models or modelled or modelling)) | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/02/09 14:48 |
| S87 | 454751 | (transform or transforms or transformed or transforming) | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/02/09 12:38 |
| S88 | 56709 | (regression) | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/02/09 12:38 |

| S89 | 22130 | (transform or transforms or transformed or transforming) and (regression) | US-PGPUB; USPAT; USOCR | OR · | OFF | 2007/02/09 12:38 |
|-----|-------|---|------------------------------|------|------|------------------|
| S90 | 206 | ((ensemble adj2 learning) or boosting or adaboost or anyboost or arcing or ((adaptive or adaptively) adj3 ((resampling or resampled) adj3 (combining or combined))) or bagging or (bootstrap adj3 aggregating)) and ((predict or predicts or predicted or prediction or predictive or prediction) near4 (model or models or modeled or modelled or modelling or modelling)) and (transform or transforms or transformed or transforming) and (regression) | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/02/09 12:57 |
| S91 | 851 | ((ensemble adj2 learning) or boosting or adaboost or anyboost or arcing or ((adaptive or adaptively) adj3 ((resampling or resampled) adj3 (combining or combined))) or bagging or (bootstrap adj3 aggregating)) and (predict or predicts or predicted or prediction or predictive or prediction) and (model or models or modeled or modelled or modelling or modelling) and (transform or transforms or transformed or transforming) and (regression) | US-PGPUB; USPAT; USOCR | OR | OFF. | 2007/02/09 12:59 |
| S92 | 13544 | (overfitting or overfitted or overtraining or overtrained or (over adj3 (fitting or fitted or training or trained))) | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/02/09 12:56 |
| S93 | | ((ensemble adj2 learning) or boosting or adaboost or anyboost or arcing or ((adaptive or adaptively) adj3 ((resampling or resampled) adj3 (combining or combined))) or bagging or (bootstrap adj3 aggregating)) and (predict or predicts or predicted or prediction or predictive or prediction) and (model or models or modeled or modelled or modeling or modelling) and (transform or transforms or transformed or transforming) and (regression) and (overfitting or overfitted or overtraining or overtrained or (over adj3 (fitting or fitted or training or trained))) | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/02/09 13:00 |

| S94 | | ((ensemble adj2 learning) or boosting or adaboost or anyboost or arcing or ((adaptive or adaptively) adj3 ((resampling or resampled) adj3 (combining or combined))) or bagging or (bootstrap adj3 aggregating)) and ((predict or predicts or predicted or prediction or predictive or prediction) near4 (model or models or modeled or modelled or modeling or modelling)) and (transform or transforms or transformed or transforming) and (regression) and (overfitting or overfitted or overtraining or overtrained or (over adj3 (fitting or fitted or training or trained))) | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/02/09 13:00 |
|-----|------|---|------------------------------|------|-----|------------------|
| S95 | 2084 | ((cross adj3 (validation or validated or validating)) or (rotation adj3 estimation)) | US-PGPUB; USPAT; USOCR | OR . | OFF | 2007/02/09 12:59 |
| S96 | 39 | ((ensemble adj2 learning) or boosting or adaboost or anyboost or arcing or ((adaptive or adaptively) adj3 ((resampling or resampled) adj3 (combining or combined))) or bagging or (bootstrap adj3 aggregating)) and (predict or predicts or predicted or prediction or predictive or prediction) and (model or models or modeled or modelled or modelling or modelling) and (transform or transforms or transformed or transforming) and (regression) and ((cross adj3 (validation or validated or validating)) or (rotation adj3 estimation)) | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/02/09 13:00 |
| S97 | 24 | ((ensemble adj2 learning) or boosting or adaboost or anyboost or arcing or ((adaptive or adaptively) adj3 ((resampling or resampled) adj3 (combining or combined))) or bagging or (bootstrap adj3 aggregating)) and (predict or predicts or predicted or prediction or predictive or prediction) and (model or models or modeled or modelled or modelling or modelling) and (transform or transforms or transformed or transforming) and (regression) and (overfitting or overfitted or overtraining or overtrained or (over adj3 (fitting or fitted or training or trained))) and ((cross adj3 (validation or validated or validating)) or (rotation adj3 estimation)) | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/02/09 13:00 |

| S98 | 21 | ((ensemble adj2 learning) or boosting or adaboost or anyboost or arcing or ((adaptive or adaptively) adj3 ((resampling or resampled) adj3 (combining or combined))) or bagging or (bootstrap adj3 aggregating)) and ((predict or predicts or predicted or prediction or predictive or prediction) near4 (model or models or modeled or modelled or modelling or modelling)) and (transform or transforms or transformed or transforming) and (regression) and (overfitting or overfitted or overtraining or overtrained or (over adj3 (fitting or fitted or training or trained))) and ((cross adj3 (validation or validated or validating)) or (rotation adj3 estimation)) | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/02/09 13:00 |
|----------|-----|---|------------------------------|------|-----|------------------|
| S99 | 645 | S91 not S86 | US-PGPUB; USPAT; USOCR | OR . | OFF | 2007/02/09 14:49 |
| S10 0 | 100 | ((ensemble adj2 learning) or boosting or adaboost or anyboost or arcing or ((adaptive or adaptively) adj3 ((resampling or resampled) adj3 (combining or combined))) or bagging or (bootstrap adj3 aggregating)) and (predict or predicts or predicted or prediction or predictive or prediction) and (model or models or modeled or modelled or modelling or overfitted or overtraining or overtrained or (over adj3 (fitting or fitted or training or trained))) | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/02/09 15:35 |
| S10 1 | 37 | ((ensemble adj2 learning) or boosting or adaboost or anyboost or arcing or ((adaptive or adaptively) adj3 ((resampling or resampled) adj3 (combining or combined))) or bagging or (bootstrap adj3 aggregating)) and (predict or predicts or predicted or prediction or predictive or prediction) and (model or models or modeled or modelled or modelled or modelling) and (overfitting or overfitted or overtraining or overtrained or (over adj3 (fitting or fitted or training or trained))) and ((cross adj3 (validation or validated or validating)) or (rotation adj3 estimation)) | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/02/09 15:36 |

| S10 2 | 9 | ("20020010691" "20040068697" "20040111220" "5930803" "6038388" "6058206" "6388592" "6546379" "6941287").PN. | US-PGPUB; USPAT; USOCR | OR | OFF , | 2007/02/09 15:44 |
|----------|---|--|------------------------------|----|----------|------------------|
| S10 3 | 1 | "20030220777".pn. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/02/12 14:48 |